



## PRACTICE AREAS

- Patents

## LANGUAGES

- Portuguese
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# GUSTAVO CARVALHO

## Patent Specialist

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## BIOGRAPHY

Gustavo Carvalho is an Engineer at Licks Attorneys' Rio de Janeiro office since 2017. As a researcher in the electronic engineering field, his most recent areas of study are signal (image and video) processing, and computer vision.

## AFFILIATIONS

- Regional Council of Engineering and Agronomy - Sergipe Section (CREA/SE).

## EDUCATION

- PhD in Electric Engineering, Federal University of Rio de Janeiro - Rio de Janeiro (UFRJ), 2015;
- MSc in Systems and Computing Engineering, Federal University of Rio de Janeiro - Rio de Janeiro (UFRJ), 2009;
- BSc in Electronic and Computing Engineering, Federal University of Rio de Janeiro - Rio de Janeiro (UFRJ), 2005;
- MBA in Business Management, Getúlio Vargas Foundation - Rio de Janeiro (FGV-RJ), 2017.

## PROFESSIONAL HIGHLIGHTS

Dr. Carvalho participated as a researcher in the DORIS project, whose objective was to develop a prototype robotic system for remote inspection in industrial cluttered environments. This project received the 2017 Technology Innovation Award from Brazil's National Oil Agency (ANP);

He presented works at the International Conference on Computer Supported Cooperative Work in Design in China, in 2008 and 2010, and at the Brazilian Symposium on Telecommunications in 2013.

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## PUBLICATIONS

### Works published in Journals:

- CARVALHO, G.; VIVACQUA, A. S.; SOUZA, J. M.; MEDEIROS, S. P. J. . LaSca: a Large Scale Group Decision Support System. *Journal of Universal Computer Science (Online)* , v. 16, p. 261275, 2011.

### Papers published in Conferences:

- DA SILVA, ALLAN F.; THOMAZ, LUCAS A.; CARVALHO, GUSTAVO; NAKAHATA, MATEUS T.; JARDIM, ERIC . An annotated video database for abandoned object detection in a cluttered environment. In: 2014 International Telecommunications Symposium (ITS), 2014, Sao Paulo. 2014 International Telecommunications Symposium (ITS), 2014. p. 1.
- KUCHARCZAK, F.; SILVA, A. F.; THOMAZ, L. A.; CARVALHO, G.; SILVA, E. A. B.; NETTO, S. L. . Comparison and optimization of image descriptors for realtime detection of abandoned objects. In: Simpósio de Processamento de Sinais, 2014, Campinas. Simpósio de Processamento de Sinais, 2014.
- GUSTAVO HENRIQUE FRAGA DE CARVALHO; JOSÉ OLIVEIRA; EDUARDO SILVA; SERGIO NETTO; GUSTAVO FREITAS; GABRIEL MOTTARIBEIRO; RAMON COSTA . Um Sistema De Monitoramento Para Detecção De Objetos Em Tempo Real Empregando Câmera Em Movimento. In: XXXI Simpósio Brasileiro de Telecomunicações, 2013, Fortaleza. SBrT 2013, 2013.
- NUNES, EDUARDO; PEIXOTO, ALESSANDRO; XAUD, MARCO; FROM, P. REGO; CARVALHO, GUSTAVO H; OLIVEIRA, JOSE FERNANDO; LIZARRALDE, FERNANDO; NEVES, ALEX; MOTTARIBEIRO, GABRIEL; ROYROY, ANDERS REGO; GALASSI, MAURICIO; SILVA, EDUARDO; MARCOVISTZ, IGHOR; NETTO, SERGIO; HSU, LIU; CARVALHO, GUILHERME P; FREITAS, GUSTAVO M; COSTA, RAMON . DORIS Monitoring Robot for Offshore Facilities. In: OTC Brasil, 2013, Rio de Janeiro. OTC Brasil.
- MEDEIROS, S. P. J.; SOUZA, J. M.; CARVALHO, G.; LIMA, E. J. . Locale Similarity Semantic Search in Large Groups Decision MUTIRÕ Project for the Rio 2016 Olympic Games. In: The 15th International Conference on Computer Supported Cooperative Work in Design CSCWD 2011, 2011, Lausanne. Proceedings of the 15th International Conference on Computer Supported Cooperative Work in Design CSCWD 2011, 2011. p. 375380.
- MEDEIROS, S. P. J.; CARVALHO, G.; SOUZA, J. M.; REZENDE, E.A. . Large Groups Decision for the Rio 2016 Olympic Games in the MUTIRÕ Project. In: CSCWD 2010 The 2010 14th International Conference on Computer Supported Cooperative Work in Design, 2010, Xangai. The 14th International Conference on Computer Supported Cooperative Work in Design (CSCWD 2010), 2010.
- CARVALHO, G.; MEDEIROS, S. P. J.; SOUZA, J. M.; REZENDE, E.A. . Organizing Public Security During International Sports Events with LaSca. In: CSCWD 2010 The 2010 14th International Conference on Computer Supported Cooperative Work in Design, 2010, Xangai. The 14th International Conference on Computer Supported Cooperative Work in Design (CSCWD 2010), 2010.
- CARVALHO, G.; SOUZA, J. M.; MEDEIROS, S. P. J. . Collaboration Engineering, Philosophy, and Democracy with LaSca. In: CSCWD 2009 The 2009 13th International Conference on Computer Supported Cooperative Work in Design, 2009, Santiago. The 13th IEEE International Conference on CSCW in Design (CSCWD 2009), 2009.

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- CARVALHO, G.; VIVACQUA, A. S.; SOUZA, J. M.; MEDEIROS, S. P. J. . LaSca: a Large Scale Group Decision Support System. In: CSCWD 2008 The 2008 12th International Conference on Computer Supported Cooperative Work in Design, 2008, Xian. Proceedings of the 12th International Conference on Computer Supported Cooperative Work in Design, 2008.
- CARVALHO, G.; VIVACQUA, A. S.; SOUZA, J. M.; MEDEIROS, S. P. J. . Large Scale Decision Making in Participatory Environmental Design. In: CSCWD 2007 The 2007 11th International Conference on Computer Supported Cooperative Work in Design, 2007, Melbourne. Proceedings of the 11th International Conference on Computer Supported Cooperative Work in Design, 2007.
- CARVALHO, G.; Campos, A. M. D.; Pereira, R. S. . Transmissão de Imagens Via Rádio Controlada por um Servidor Web. In: Semana da Eletrônica 2004, 2004, Rio de Janeiro. Semana da Eletrônica 2004, 2004.